

TECHNICAL HANDBOOK FOR
ENVIRONMENTAL HEALTH AND ENGINEERING
VOLUME VI - FACILITIES ENGINEERING
PART 72 - ENERGY MANAGEMENT

EXHIBIT 1
ENERGY CONSUMPTION AND COST DATA
TOTAL AREA IHS OWNED

IHS AREA:	PHOENIX AREA OFFICE	REPORTING FY:	1998
PREPARED BY:	EUGENE PRICE	TITLE:	
PHONE NUMBER:	602-364-5087	DATE SUBMITTED:	November 23, 1998

Energy Type	Reporting Units	Annual Consumption	Annual Cost (1000 \$)	Unit Cost (\$)	Total Btu
Electricity	kWh	18,585,804	\$ 1,287.00	0.064kWh	63,470,862,160
Fuel Oil	Gal/1000	88,000	\$ 58.878	0.666Gal	12,432,000,000
Natural Gas	ft ³ /1000			/1000ft ³	
Natural Gas	therms	368,874	\$ 176.452	0.479therms	36,987,400,000
LPG	1000 Gals	182,575	\$ 148.804	0.615Gal	7,485,575,000
Purchased Steam	MMBtu			/MMBtu	
Other	MMBtu			/MMBtu	
TOTALS		19,225,353	1,681.134		120,375,837,160

Gross Square Feet	Btu/Gross Square Feet	\$/Gross Square Feet
657,638	183,043	2.58

Conversion Factors:

Electric: (kWh) (3415 BTU/kWh)	= BTU's
Fuel Oil: (Gal) (140,00 BTU/Gal)	= BTU's
Natural Gas: (ft ³) (1150 BTU/ft ³)	= BTU's
(therm) (100000 BTU/therm)	= BTU's
LPG/Propane: (Gal) (41,000 BTU/Gal)	= BTU's

CONCURRENCE:

Eugene Price
Area Facilities Engineer

Date 11/23/98

John R. Hamilton
for Area Associate Director, OEHE

Date 11/24/98